



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/855,170A

DATE: 05/10/2004

TIME: 10:48:49

Input Set : N:\Crf3\RULE60\09855170A.RAW.txt

Output Set: N:\CRF4\05102004\I855170A.raw

1 <110> APPLICANT: Lizardi, Paul M.
 2 <120> TITLE OF INVENTION: Artificial Long Terminal Repeat Vectors
 3 <130> FILE REFERENCE: YU 125
C--> 4 <140> CURRENT APPLICATION NUMBER: US/09/855,170A
 5 <141> CURRENT FILING DATE: 2001-05-14
 6 <150> PRIOR APPLICATION NUMBER: US/09/396,340
 7 <151> PRIOR FILING DATE: 1999-09-15
 8 <150> PRIOR APPLICATION NUMBER: 60/100,305
 9 <151> PRIOR FILING DATE: 1998-09-15
 10 <160> NUMBER OF SEQ ID NOS: 9
 11 <170> SOFTWARE: PatentIn Ver. 2.1
 13 <210> SEQ ID NO: 1
 14 <211> LENGTH: 64
 15 <212> TYPE: DNA
 16 <213> ORGANISM: Artificial Sequence
 17 <220> FEATURE:
 18 <223> OTHER INFORMATION: Description of Artificial Sequence: ALTR with
 19 identical repeats and identical linkers

ENTERED

W--> 20 <221> NAME/KEY: misc_feature
 21 <222> LOCATION: (25)..(27)
 22 <223> OTHER INFORMATION: Linker sequence where N represents A, G, C, or T

W--> 23 <221> misc_feature
 24 <222> LOCATION: (28)..(37)
 25 <223> OTHER INFORMATION: DNA insert where N represents A, G, C, or T

W--> 26 <221> misc_feature
 27 <222> LOCATION: (38)..(40)
 28 <223> OTHER INFORMATION: Linker Sequence where N represents A, G, C, or T

W--> 29 <400> 1

W--> 30 aggttaggtag gtaggttaggt aggtnnnnnn nnnnnnnnnn acctacctac ctacacct 60
 31 acct 64

33 <210> SEQ ID NO: 2
 34 <211> LENGTH: 64
 35 <212> TYPE: DNA

36 <213> ORGANISM: Artificial Sequence
 37 <220> FEATURE:

38 <223> OTHER INFORMATION: Description of Artificial Sequence: ALTR with
 39 identical repeats and different linkers

W--> 40 <221> NAME/KEY: misc_feature
 41 <222> LOCATION: (25)..(27)
 42 <223> OTHER INFORMATION: Linker Sequence where N represents A, G, C, or T

W--> 43 <221> misc_feature
 44 <222> LOCATION: (28)..(37)
 45 <223> OTHER INFORMATION: DNA insert where N represents A, G, C, or T

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W--> 46 <221> misc_feature
 47 <222> LOCATION: (38)..(40)
 48 <223> OTHER INFORMATION: Linker Sequence where N represents A, G, C, or T
W--> 49 <400> 2
W--> 50      agtaggtag gtaggtagg aggtnnnnnn nnnnnnnnnn acctacctac ctacacct 60
 51          acct                                64
 53 <210> SEQ ID NO: 3
 54 <211> LENGTH: 64
 55 <212> TYPE: DNA
 56 <213> ORGANISM: Artificial Sequence
 57 <220> FEATURE:
 58 <223> OTHER INFORMATION: Description of Artificial Sequence: ALTR with two
 59   types of ALTR repeats and different linkers
W--> 60 <221> NAME/KEY: misc_feature
 61 <222> LOCATION: (25)..(27)
 62 <223> OTHER INFORMATION: Linker Sequence where N represents A, G, C, or T
W--> 63 <221> misc_feature
 64 <222> LOCATION: (28)..(37)
 65 <223> OTHER INFORMATION: DNA insert where N represents A, G, C, or T
W--> 66 <221> misc_feature
 67 <222> LOCATION: (38)..(40)
 68 <223> OTHER INFORMATION: Linker Sequence where N represents A, G, C, or T
W--> 69 <400> 3
W--> 70      agtaggtag gtaggtagg aggtnnnnnn nnnnnnnnnn gatggatgga tggatggatg 60
 71          gatg                                64
 73 <210> SEQ ID NO: 4
 74 <211> LENGTH: 34
 75 <212> TYPE: DNA
 76 <213> ORGANISM: Artificial Sequence
 77 <220> FEATURE:
 78 <223> OTHER INFORMATION: Description of Artificial Sequence: Repeat A
 79 <400> SEQUENCE: 4
 80      acgcagctcg tgtaatacga ctcgcattgcc tccc                                34
 82 <210> SEQ ID NO: 5
 83 <211> LENGTH: 22
 84 <212> TYPE: DNA
 85 <213> ORGANISM: Artificial Sequence
 86 <220> FEATURE:
 87 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer A
 88 <400> SEQUENCE: 5
 89      cgcaagctcg ttaatacgcac tc                                22
 91 <210> SEQ ID NO: 6
 92 <211> LENGTH: 34
 93 <212> TYPE: DNA
 94 <213> ORGANISM: Artificial Sequence
 95 <220> FEATURE:
 96 <223> OTHER INFORMATION: Description of Artificial Sequence: Repeat B
 97 <400> SEQUENCE: 6
 98      atgcattgtc agtggtgctg agtaacagcc tggg                                34

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Input Set : N:\Crf3\RULE60\09855170A.RAW.txt
Output Set: N:\CRF4\05102004\I855170A.raw

100 <210> SEQ ID NO: 7
101 <211> LENGTH: 22
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer B
106 <400> SEQUENCE: 7
107 ggctgttact cagcaccact ga 22
109 <210> SEQ ID NO: 8
110 <211> LENGTH: 75
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Description of Artificial Sequence: Left side of
115 ALTR vector
W--> 116 <221> NAME/KEY: misc_feature
117 <222> LOCATION: (69)..(75)
118 <223> OTHER INFORMATION: Insert and polylinker sequences where N represents
119 A, G, C, or T
W--> 120 <400> 8
121 acgcagctcg tgtaatacga ctgcgtatgcc tcccacgcag ctgcgtgtaat acgactcgca 60
W--> 122 tgcctccnn nnnnn 75
124 <210> SEQ ID NO: 9
125 <211> LENGTH: 75
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Description of Artificial Sequence: Right side of
130 ALTR vector
W--> 131 <221> NAME/KEY: misc_feature
132 <222> LOCATION: (1)..(7)
133 <223> OTHER INFORMATION: Insert and Polylinker Sequences where N represents
134 A, G, C, or T
W--> 135 <400> 9
W--> 136 nnnnnnnnggg atgcgtatgctc agtggtgctg agtaaacagcc tgggatgcat gctcagtgg 60
137 gctgagtaac agcct 75

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/10/2004
PATENT APPLICATION: US/09/855,170A TIME: 10:48:50

Input Set : N:\Crf3\RULE60\09855170A.RAW.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40
Seq#:2; N Pos. 25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40
Seq#:3; N Pos. 25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40
Seq#:8; N Pos. 69,70,71,72,73,74,75
Seq#:9; N Pos. 1,2,3,4,5,6,7

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/855,170A

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Input Set : N:\Crf3\RULE60\09855170A.RAW.txt

Output Set: N:\CRF4\05102004\I855170A.raw

L:4 M:270 C: Current Application Number differs, Wrong Format
L:20 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:23 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:26 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:29 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:30 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:40 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:43 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:46 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:49 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:50 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:60 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:63 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:66 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:69 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:70 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:116 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:120 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:60
L:131 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:135 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
L:136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0